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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/042,000

10/25/2001

Johan Rune

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EXAMINER

TRAN, PHILIP B

ART UNIT

PAPER NUMBER

2155

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/042,000

Applicant(s)

RUNE, JOHAN

Examiner

Philip B. Tran

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 U.S.C. § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-37 are rejected under 35 U.S.C. § 102(e) as being anticipated by Aggarwal et al (Hereafter, Aggarwal), U.S. Pat. No. 6,8,76,634.

Regarding claim 1, Aggarwal teaches a method for coordinating network nodes in a network, the method comprising the steps of informing a first slave node, by a master node, of a first period to scan for inquiry messages, informing a second slave node, by the master node, of a second period for scanning for inquiry messages, wherein the first period and second period do not occur during a same period of time, and scanning, by the first slave node, for inquiry messages during the first period, wherein an inquiry message is used by a node sending the inquiry message to determine which nodes are reachable by the node sending the inquiry message (= forming communication between master node and slave node in wireless network, identifying node's address and services offered thereby, scanning for inquiry messages and transmitting information from one node to another) [see Abstract and Figs. 1-6 and

Col. 2, Line 42 to Col. 3, Line 55 and Col. 4, Lines 48-67 and Col. 5, Line 38 to Col. 6, Line 18 and Col. 8, Line 39 to Col. 9, Line 6].

Regarding claim 2, Aggarwal further teaches the method of claim 1, wherein the network is a wireless network [see Abstract].

Regarding claim 3, Aggarwal further teaches the method of claim 2, wherein nodes of the wireless network communicate using frequency hopping [see Col. 3, Lines 1-5].

Regarding claim 4, Aggarwal further teaches the method of claim 3, wherein the network operates according to Bluetooth protocol [see Col. 3, Lines 5-11].

Regarding claim 5, Aggarwal teaches a method for coordinating network nodes in a network, the method comprising the steps of informing a first slave node, by a master node, of a first period to send an inquiry message, informing a second slave node, by the master node, of a second period for sending an inquiry message, wherein the first period and second period do not occur during a same period of time, and sending, by the first slave node, an inquiry message during the first period, wherein the inquiry message is used by the first node to determine which nodes are reachable by the first node (= forming communication between master node and slave node in wireless network, identifying node's address and services offered thereby, scanning for

inquiry messages and transmitting information from one node to another) [see Abstract and Figs. 1-6 and Col. 2, Line 42 to Col. 3, Line 55 and Col. 4, Lines 48-67 and Col. 5, Line 38 to Col. 6, Line 18 and Col. 8, Line 39 to Col. 9, Line 6].

Regarding claim 6, Aggarwal further teaches the method of claim 5, wherein the network is a wireless network [see Abstract].

Regarding claim 7, Aggarwal further teaches the method of claim 6, wherein nodes of the wireless network communicate using frequency hopping [see Col. 3, Lines 1-5].

Regarding claim 8, Aggarwal further teaches the method of claim 7, wherein the network operates according to Bluetooth protocol [see Col. 3, Lines 5-11].

Claim 9 is rejected under the same rationale set forth above to claim 1. In addition, Aggarwal further teaches paging from the first node to the second node in accordance with the page scan information [see Col. 5, Line 38 to Col. 6, Line 18].

Regarding claims 10-12, Aggarwal does not explicitly teach the method of claim 9, wherein the parameters include timing and frequency information related to the scanning for page messages by the second node, wherein the parameters include a length of the scan period, a page scan repetition interval and a number of page scan

repetitions and information related to the number of times the page scan information has been distributed [see Col. 4, Lines 48-67 and Col. 5, Line 38 to Col. 6, Line 18].

Regarding claim 13, Aggarwal further teaches the method of claim 9, wherein the network is a wireless network [see Abstract].

Regarding claim 14, Aggarwal further teaches the method of claim 9, wherein nodes of the wireless network communicate using frequency hopping [see Col. 3, Lines 1-5].

Regarding claim 15, Aggarwal further teaches the method of claim 9, wherein the network operates according to Bluetooth protocol [see Col. 3, Lines 5-11].

Claim 16 is rejected under the same rationale set forth above to claim 9.

Claims 17-18 are rejected under the same rationale set forth above to claims 10-12.

Claims 19-21 are rejected under the same rationale set forth above to claims 13-15, respectively.

Claim 22 is rejected under the same rationale set forth above to claim 1.

Regarding claim 23, Aggarwal further teaches the method of claim 22, further comprising the steps of: paging from the second slave node to the first slave node in

accordance with the page scan information; responding to the page by the first slave node, thereby establishing a connection between the first slave node and the second slave node [see Col. 5, Line 38 to Col. 6, Line 18].

Regarding claim 24, Aggarwal further teaches the method of claim 23, wherein the network is a wireless network [see Abstract].

Regarding claim 25, Aggarwal further teaches the method of claim 23, wherein nodes of the wireless network communicate using frequency hopping {see Col. 3, Lines 1-5}.

Regarding claim 26, Aggarwal further teaches the method of claim 23, wherein the network operates according to Bluetooth protocol [see Col. 3, Lines 5-11].

Claims 27-30 are rejected under the same rationale set forth above to claims 1-4, respectively.

Claim 31 is rejected under the same rationale set forth above to claim 9.

Claims 32-34 are rejected under the same rationale set forth above to claims 10-12.

Claims 34-37 are rejected under the same rationale set forth above to claims 13-15, respectively.

Other References Cited

3. The following references cited by the examiner but not relied upon are considered pertinent to applicant's disclosure.

A) Anvekar et al, U.S. Pat. No. 6,377,805.

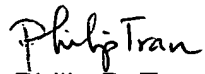
Conclusion

4. Applicant's arguments with respect to claims 1-37 have been considered but are moot in view of the new ground(s) of rejection.

5. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET TO EXPIRE THREE MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CAR 1.136(A).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (571) 272-3991. The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar, can be reached on (571) 272-4006.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Philip B. Tran
Art Unit 2155
September 02, 2005